



The Raleigh Amateur Radio Society's **EXCITER**

GET INVOLVED

- RARS General Membership meeting: Second Tuesday of the month.
- The RARS net meets every night except Saturday @ 8 p.m. on 146.640.
- The RARS Technical & Trader's net: Saturdays @ 8:00 PM on 146.64.
- RARS meets for a monthly dinner on the First Tuesday of each month.



PUBLIC SERVICE EVENTS

Interested in helping? Visit <https://www.rars.org/public-service.php>

frequently for our 2019 ham public service schedule.

RARS General Meeting

Topic: RARS pot luck Holiday party. Sign up at the [RARS website](https://www.rars.org). RARS Officers induction.

By: RARS members

Date: December 10, 2019

Time: Meeting at 7:30 PM

Informal gathering and refreshments from 7 - 7:30 p.m.

Where: Ridge Road Baptist Church. 2011 Ridge Rd., Raleigh

New HAM meeting, 6:00 p.m. before member meeting

Tadd Torborg, KA2DEW, New Ham Meeting Coordinator

Presidents Comments

By Carl Davis, W8WZ

This article marks the last of my 24 Exciter articles as RARS president. To those of you who have read all 24 of them, congratulations on your proof of endurance! You have enough patience to qualify as Chicago Cubs fans should you wish to test your long suffering even more.

In all seriousness, I wish to thank the members of RARS for affording me the wonderful honor of serving as our society's president for these past two years. I extend my personal thanks and appreciation to everyone who served as an Officer, Director, Committee Chair, Leader or Volunteer during the past 24 months. It was an honor, privilege and pleasure to work with you, learn from you, and partner together to ad-

[Continued on page 4](#)

RARS Officers

PRESIDENT

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w8wz@aol.com

VICE PRESIDENT

Tom Lewis
N4TL
N4TL2@yahoo.com

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The Raleigh Amateur Radio Society

The Raleigh Amateur Radio Society, Inc. (RARS) was founded in 1969 and continues to serve and support the amateur radio community in the greater Triangle area. In 1999, the society incorporated a new RARS and obtained 501(c)(3) non-profit tax status.

The objectives of the club are to promote worldwide friendship through amateur radio; to be of public service by providing radio communications in times of disaster, emergency, or civic needs; to educate members in radio technique, and to provide training classes to assist in obtaining amateur radio licenses.

Anyone interested in amateur radio is eligible to apply for membership. Dues for regular licensed amateurs are \$18 per year (from July 1 through June 30). Additional immediate family members pay \$5 each per year. Dues for licensed amateurs older than 59 or younger than 16 are \$12 per year. Dues for non-licensed associate members are \$9 per year. Applications for membership may be obtained from the treasurer or on the RARS website (www.rars.org).

Exciter

The Exciter is the official newsletter of the Raleigh Amateur Radio Society. It appears each month as a PDF on the RARS website at www.rars.org. Members receive email notification when the latest version is available. Please provide your email address to the Treasurer.

The Exciter welcomes articles, advertisements, and other contributions. To submit a piece to the newsletter, please contact the Editor. The Editor reserves the right to edit any and all pieces. The submission deadline for each month's Exciter is the Saturday that is ten days before the general meeting. All submissions must be final. Drafts are not accepted.

The views expressed in the Exciter are those of the individual authors and do not necessarily reflect the views of the Editor or RARS.

Tom Lewis, N4TL, editor (editor@rars.org)

For Your Information

RARS General Meeting

Date: Second Tuesday of each month

Location: Ridge Road Baptist Church 2011
Ridge Road Raleigh, NC, 27607

Time: People begin arriving at 7 p.m. The
meeting officially begins at 7:30 p.m.

RARS Monthly Dinner

All members and guests are welcome to the monthly (first Tuesday) RARS Supper, 6:30PM, at the IHOP Restaurant, 7471 Six Forks road, 27615. Its on the corner of Six Forks road and Sawmill Road, 6:30 PM to 8PM They have a room for us that is to the left when you enter the restaurant. Informal and Dutch, just bring your appetite and best rag to chew.

RARS Repeaters in Raleigh

146.640 and 444.525

Join us for the nightly RARS net at 8 p.m. on the 146.640 repeater. All hams holding a Technician class license or higher are invited to check in. We welcome both RARS and non-RARS members to the net.

There is a net Listing on the RARS web-site click here. <https://www.rars.org/nets.php>

VE Testing

The RARS VEs will accept walk-in testing in February, May, August and November at 5:30PM, prior to RARS membership meetings at Ridge Road Baptist Church; the RARSfest in April; the Cary Swapfest in July; the JARS-Fest in November; and following RARS license classes. Please bring a photo ID, your original and a copy of your current license, your \$14 exam fee, and any valid CSCEs that prove passing elements beyond that of your current license. Visit <https://www.rars.org> for more information.

November 2019 RARS Net Monthly Summary

Checkins: 422

Traffic Brought/Passed: 10/9

Minutes: 1025

Sessions: 30

Virginia Enzor NC4VA

RARS Net Manager

Field Day results

The December QST Published the Field Day results and that RARS took third place in the 8A Category. Many thanks to all who made that effort a great success, especially our Chairman W4TTX.

Thanks!

Carl, W8WZ



Presidents Comments continued

vance the mission of RARS as best we could. No one person is responsible for the Raleigh Amateur Radio Society's success, yet success is not possible unless each of us does our level best. RARS is full of leaders who do their level best.

RARS continues to be the largest Amateur Radio club in North Carolina with around 400 members at any given time, and is one of the largest clubs in the entire country. We provide quarterly VE testing, we offer annual classes to teach people how to become safe and successful ham radio operators, we have a formal program of monthly education / mentoring for new hams, we have outstanding programs at each month's meeting, we have many social opportunities every month, we do a great job at Field Day, we sponsor the NC QSO Party, offer RARS Fest, publish an outstanding monthly newsletter, maintain a webpage that is a valuable ham radio resource to members and non-members alike, including an active classified section, have daily VHF and regular HF Nets, Operate several repeaters, hold standing as an ARRL Special Service Club, run one of the largest ham radio gear auctions in North Carolina each October, and much, much more.

One of the best things about being president was getting to know the wonderful men and women who make all that happen so seamlessly that a member of RARS could be forgiven for thinking that all those things run themselves or just magically happen, but of course they do not. They only happen because of talented and dedicated volunteers who lead and serve. In my last official communication as your president, I thank each of those hard working people and encourage each member to join with them in find a meaningful way to serve in the future.

Remember to attend the RARS Holiday Party on Tuesday, 10 December at the Ridge Road Baptist Church 2011 Ridge Road at 7 PM. Go online to RARS.org and sign up to bring a dish to share. Yes, I will be bringing my famous fruitcake, but don't let that stop you from coming. At this meeting we will make some special presentations and you do not want to miss those. We will also install all of our 2020 officers. So, if you are serving as an officer in 2020, be sure to be there for your installation!

Also, all of you CW operators, remember to celebrate New Year's with Straight Key night. This SKN I'll be operating the WW2 Paraset that I brought to show and tell at the November meeting.

Our incoming president John Honeycutt, N8ZU will do a fine business job leading our society for the next two years and he has my full support and appreciation for his willingness to lead and serve. Now, I look forward to having some more time to operate, so look for me on 40 CW around 7.028. I'm likely the guy with the bug fist and the chirpy signal.

73, Carl W8WZ

November Membership Meeting, Door Prize Winners



Dennis Mason, WZ0Q; Jean Gagnon, W4MGD, and Billy Janke, KE4VNC

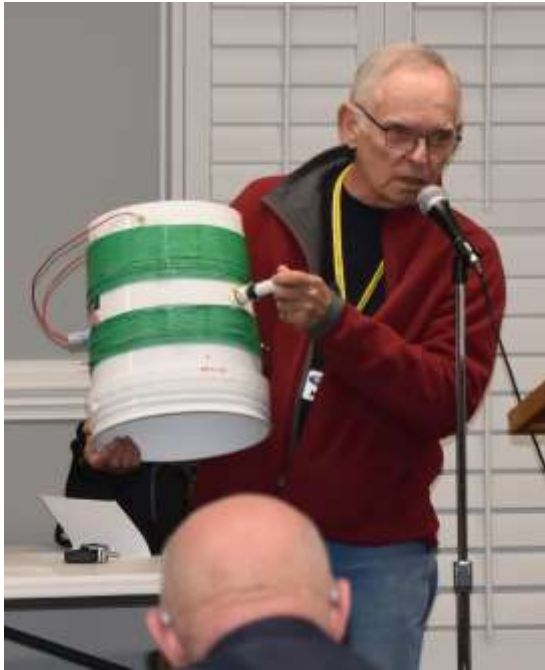
Future RARS Meeting Topics

Titles, topics, and speakers subject to change.

12/10/2019	RARS pot luck Holiday party. Sign up at the RARS website. RARS Officers induction.	Election committee
1/14/2020	DXpeditions in the western and eastern Caribbean with the Medical Amateur Radio Council, May & Oct 2019	Bob Conder, K4RLC
2/11/2020	Blue Ridge Microwave Society	Dr. Dennis Sweeney, WA4LPR & Stan Dillon, K4RCA

RARS November Meeting, Show and tell

This month instead of a presentation, we had show and tell. Five members had items to show.



Louis Alexander, K4BYN, showed a variometer he made. Its a big inductor for a 630 Meter antenna. After the meeting Louis got his antenna working and worked 7 states on the first night he used the it.

For information on it go to this website,

<https://hamsignal.com/blog/my-lf-mf-station-in-detail>



Mark Kilmer, KM4JRH, brought an analog computer.

It was made by The Welch Scientific Company, Catalog number 7568. Mark would like help finding information about it.

<https://www.rars.org>

RARS November Meeting, Show and tell



Daniel Marks, KW4TI, VNA-0-MIZER, an open source vector network analyzer, 100kHz to 600 MHz Dan is working with a Chinese company to make a kit for it.



Carl Davis, W8WZ, A replica Paraset WW2 Spy Transceiver.

There is information at this website on how to build one yourself.

<http://www.knightlites.org/projects/paraset/index.htm>

RARS November Meeting, Show and tell



Tom Lewis, N4TL, showed a 1944 TS-323/UR Military signal standard for setting the frequency of a receiver or transmitter.

Tom applied voltage to it slowly with a Variac. After all these years it still works okay without changing any parts.



Tom also showed a 1925 Atwater Kent model 20C tuned radio frequency receiver.

It is a battery powered set that has three tuning dials instead of one. It cost \$100 when it was new. The owner also had to buy batteries, a horn speaker and antenna wire.

RARS Birthdays

Ken	AC1BX	12/00
Rick	K4RLE	12/01
Dave	KB8V	12/01
Charley	KE4QBW	12/01
Smitty	K4ACS	12/02
Gary	KI4KKY	12/03
Glenn	KA4GLN	12/04
Charles	KN4LHD	12/05
Ronnie	W4RJF	12/06
James	KN4ZYD	12/07
Bruce	KC4UQN	12/09
Kenn	NE4Y	12/09
Virginia	NC4VA	12/09
Roger	KS4VX	12/12
Frank	KA2FWC	12/12
Chuck	KE4LYK	12/13
Ralph	KF4NIR	12/14
William Sullivan		12/15
Conner	KE4ZNS	12/15
John	KM4MMA	12/16
Charles	KM4AMT	12/18
Roger	W3EZR	12/18
Mike	KN4GUN	12/19
Ronald	KC4RB	12/21
Jamie	KN4UFU	12/221
Robert	K4WWR	12/25
Mike	KK4Y AQ	12/27
Mike	WD4MB	12/27
Jason	KK4TLZ	12/29
Darrell	W4CX	12/29
Gerry	K4GCJ	12/31
Dick	KD4ISC	12/31
Bob	W4GIA	12/31

*Everyone is
welcome!*



11:30 AM every Thursday a group of Hams get together for Lunch at Taco Bell. The address is 7036 E Hwy 64 Knightdale, 27545. 1.2 miles east of I540.

New Members

Ron Tessitore	K4RJT
Garth Despain	KJ4GQW
Darrell Wilson	KN4ZYA
Phil Cooke	KN4ZYH
Jay Sliwinski	KN4YBF
Scott Barber	KN4ZHM
Miki Jeffers	KN4ZYC
James Jeffers	KN4ZYD
Don Monroe	KN4ZXZ
Conner McAbee	KO4ADW

*New HAM meeting, 6:00 p.m. before the
member meeting*

Tadd Torborg, KA2DEW, New Ham meeting Coordinator

*The New Hams meeting is held every month before the regular RARS meeting.
We'll try to start by 6pm. We try to address topics in a manner that will be of help
to hams in their first year of operation.*



The new HAM meeting topic was building Power Pole cables and fusing, with a demonstration of the effects of voltage drop over various cable lengths.

Future Hamfests

A full list of Hamfests can be found at the
[ARRL website.](#)

01/11/2020 | W4NC First-Fest

Location: Winston-Salem, NC
Type: ARRL Hamfest
Sponsor: Forsyth Amateur Radio Club
Website: <http://W4NC.com>

03/13/2020 | Charlotte Hamfest, ARRL North Carolina Section Convention 2020

Location: Concord, NC
Type: ARRL Convention
Sponsor: Mecklenburg Amateur Radio Society
Website: <http://www.charlottehamfest.org>

04/11/2020 | Raleigh Hamfest, ARRL Roanoke Division Convention

RARSfest

Location: Raleigh, NC
Type: ARRL Convention
Sponsor: Raleigh Amateur Radio Society
Website: <http://rarsfest.org>

Interesting websites & Miscellaneous info

SWL mapping website

<https://short-wave.info/index.php>

Have a friend or relative that needs basic computer help?

<https://edu.gcfglobal.org/en/computerbasics/>

<https://www.rars.org>

SKYWARN RECOGNITION DAY 2019

Virginia Enzor NC4VA, Central Carolina SKYWARN Emergency Coordinator

Weather Spotters get ready! SKYWARN Recognition Day 2019 officially takes place Saturday, December 7, from 0000-2400 UTC. During this 24-hour period, spotters make contact with SKYWARN radio operators at NWS offices across the nation. This annual event was originally developed in 1999 by the National Weather Service and the American Radio Relay League to celebrate the contributions that SKYWARN radio operators/spotters make to the National Weather Service. It also allows NWS offices to test their back-up forms of communications.

Central Carolina SKYWARN and the Raleigh National Weather Service, operating under the call sign WX4NC, will join in the fun on Saturday from 10:00 AM to 3:00 PM, making contacts on the K4ITL 145.210 repeater, the WB4TQD 146.88 repeater, the K4ITL 147.105 repeater, the K4ITL 147.135 repeater, the Carolina 440 UHF Link System, the W4BAD Linked System, IRLP, Echo-link (WX3H and WX4NC), and HF (20, 40 & 80 meters SSB). To find the specific HF frequencies, look for us on <http://www.dxsummit.fi/#/> or ask a SKYWARN operator on the 145.210 repeater. We will be rotating through the VHF repeaters.

Radio operators will exchange names, call signs, locations, signal reports, and a 1 or 2-word weather report.

Hope to get you in the log!



Deepest Sympathies

A transfer of \$50 has been made to the RARS / Dick Bitner Youth Education fund in memory of Tommy Strickland, KK4OIH, (October 17, 1947 – October 15, 2019) from Sims, NC .

<https://www.wilsonmemorialservice.com/notices/Tommy-Strickland>

<https://www.rars.org>

MY HAM SHACK IN AN ARMOIRE – THE PREQUEL

Reality by Howard A. Goodman, N4KYW

I built my current ham shack into an armoire located in a spare bedroom on the second floor of our townhome. The black armoire contained no clothing or other items, so I was free to do with it what I pleased. My wife appreciated the concept of a ham shack inside of an armoire, because when I was not on the air I (or she) could simply shut the pair of front doors and my ham shack would disappear from view. With its doors closed, the armoire looks like any other piece of bedroom furniture.

For clarity I should mention, my collection of equipment is not sprawling—two mobile style transceivers, a QRP CW rig, a shared 12-Amp linear power supply, and one small 6-meter AM boat anchor. Since the bottom shelf was more or less at waist level, I added drawer slides to render that shelf into a pull-out desk. And near the bottom there were several drawers to hold books and ancillary items. I was quite proud of my creation. Yet, at the same moment I recalled this was not the first time I had tried to pursue an armoire conversion.

That time was the spring of 1958. I was busy studying for my Novice ticket and was looking for something cheap, yet respectable, that I could turn into a home for my ham shack. I wanted something more than an open desk; I already had one of those, a place to do my homework. My opportunity arrived suddenly, when my mom announced that she and my dad were in the market for a new bedroom set. Apparently their current suite, born in the 1930s or '40s, had fallen out of favor, style-wise. But it did include one piece that caught and riveted my attention.

To me, a beautiful, timeless mahogany armoire, with a flip-down secretary, no less. Immediately, I began to plan for acquiring it as my ham shack. I measured this, assessed that, began to search for a transmitter that would fit nicely on a shelf inside the narrow but full-length compartment for hanging clothing. Two viable candidates emerged—a Harvey-Wells Bandmaster, and a Knight-Kit T-50, the latter a clone of a Johnson Adventurer like the one that was put up for auction at the last monthly RARS meeting. I had already concluded my Hallicrafter's SX-99 receiver would fit nicely in the rear of the secretary section. Yet in my planning I overlooked a rather important aspect.

Looking back, I now realize I should have first asked for permission to acquire it instead of assuming it would become mine. When I finally did ask my mother if I could have the armoire, she turned me down. I don't recall her exact words, nor her reasoning. You see, my mother had this patented way of anesthetizing you before delivering bad or negative news. So I went on for many years, decades, believing that she just didn't want me to have it.

Only recently, while re-purposing my black armoire into a ham shack did it occur to me that there could be a more plausible reason for my mother's decision lurking in the shadows of time. It was quite likely my mother didn't want the armoire to be separated from the old bedroom suite for fear that she and my dad would not receive nearly as much money as they were expecting when they sold it. Even more significant was my suspicion that my mom and dad desperately needed that money to offset the cost of their new bedroom suite. For all I know they may have purchased the new bedroom suite on credit at a time when credit cards had yet to exist.

Stated another way, throughout my entire childhood my mom did an exceptional job of hiding from my brother and me the fact that we were, during much of that period, poor.

All I want for Christmas is a new antenna



<https://ampegon.com/products/sw-antenna/>

<https://www.rars.org>

RARS Classifieds

Copied from <https://www.rars.org/classifieds.php>

The items below were listed within the last 30 days on the RARS website.

Hamfest items

Posted November 25th, 2019 by: K4HF

Contact: k4hf@arrl.net

Clegg FM-76 10 Watt 12 Chl 222 MHz w/xtals/manual, works - \$50.

Hallicrafters SX-100 Mark 1 Comm Rx - 9 of 10, works - \$125.

Center Zero meter w/4 pin connector 50ua movement, tested - \$5.

Tentec Mod. 1210 28MHz to 144.0 MHz Transverter, tested - \$60.

Contact me by e mail, preferred or (919) 872-6555. Thanks, Chuck

Kenwood TH-D74a DStar TriBander

Posted November 24th, 2019 by: W4MPS

Contact: w4mps@nc.rr.com

For Sale-- Kenwood TH-D74A D Star 144/220/430 TriBander

Purchased new 8/17/18

Selling the package:

Kenwood TH-D74 D-Star TriBander

Kenwood KMC-45D Microphone

Kenwood PG-3J Cigarette Lighter Cord

RT Systems Programming Software

Paid \$650.00 new for all. For sale = \$450.00

Equipment is in like new condition

If interested, please contact me at

Marc Sullivan, W4MPS

w4mps@nc.rr.com

(919) 262-0940

TNX W4MPS 73

RARS Classifieds continued

FREE Technical Books and Reference Material

Posted November 23rd, 2019 by: WM2Z

Contact: wmelhado@nc.rr.com

FREE

Downsizing and must part with my collection of technical books and reference materials. Contact me for detailed list of some 20 publications. Only condition is that you must take them all.

Vintage RCA Receiving Tube Manual

Posted November 22nd, 2019 by: WM2Z

Contact: wmelhado@nc.rr.com

Vintage RCA Receiving Tube Manual. Used in fair condition. Printed August 1954. Has a label on Page 1 from when I was a junior in college in 1956.

Vintage Book - Radio for Beginners

Posted November 22nd, 2019 by: WM2Z

Contact: wmelhado@nc.rr.com

Vintage Book - Radio for Beginners. Military Education Manual EM 415. Used in fair condition. This book presents a self-teaching course in radio. Prepared by US Armed Forces Institute and published by the War Department in 1944. \$10

Framed Rockwell Print - The Wonders of Radio

Posted November 18th, 2019 by: WM2Z

Contact: wmelhado@nc.rr.com

Framed Norman Rockwell print The Wonders of Radio. This appeared on the cover of Saturday Evening Post May 20, 1922. Wooden frame with clear glass is approx 14W x 17H. Image is approx 10-1/2W x 13-1/2H. Photo available. \$15

Framed ARRL Amateur Radio Map of the World

Posted November 18th, 2019 by: WM2Z

Contact: wmelhado@nc.rr.com

Framed ARRL Amateur Radio Map of the World. Brushed aluminum frame, no glass. Approx 35 inches wide x 26 inches high. Photo available. \$15

RARS Classifieds continued

Weather Book

Posted November 18th, 2019 by: WM2Z

Contact: wmelhado@nc.rr.com

The Weather Book (Second Edition) published by USA Today in excellent condition. Photo available \$5

World Atlas

Posted November 18th, 2019 by: WM2Z

Contact: wmelhado@nc.rr.com

Rand McNally Goode's World Atlas in like-new condition. Photo available. \$15

ARRL Books

Posted November 18th, 2019 by: WM2Z

Contact: wmelhado@nc.rr.com

Lot of ARRL books in excellent condition as follows:

The ARRL Operating Manual (Fourth Edition)

The ARRL Handbook (Eighteenth Edition)

The ARRL Antenna Book (Seventeenth Edition with software)

ARRL's Wire Antenna Classics

Photos available. \$25 for the lot

Heil Proset Adapter AD_1_K for Kenwood

Posted November 15th, 2019 by: WM2Z

Contact: wmelhado@nc.rr.com

Heil Proset Adapter AD_1_K for Kenwood radios with round 8-pin mike connector. \$15

Diamond NR770HNMOB 2m/70cm Antenna and Mag Mount Base

Posted November 14th, 2019 by: WM2Z

Contact: wmelhado@nc.rr.com

Used Diamond NR770HNMOB 2m/70cm antenna with NMO base connector in excellent condition. Includes used NMO mag mount base in fair cosmetic condition with 14-ft integral coax and PL-259 connector. \$20

RARS Classifieds continued

102-Inch Stainless Steel Whip

Posted November 14th, 2019 by: WM2Z

Contact: wmelhado@nc.rr.com

102-inch stainless steel whip antenna in excellent condition. Has 3/8-24 thread at base. \$5

Cushcraft CS-270 2m/70cm Mag Mount Antenna

Posted November 14th, 2019 by: WM2Z

Contact: wmelhado@nc.rr.com

Used Cushcraft CS-270 2m/70cm magnetic mount antenna in good condition. Integral 14-ft cable with PL-259 connector. Stainless whip with center loading. \$15

Icom/Kenwood Power Cable

Posted November 10th, 2019 by: WM2Z

Contact: wmelhado@nc.rr.com

Double fused 6-Pin Power Cable for Icom and Kenwood rigs with lugs. 2-1/2 feet long. \$10

FS; Wall Warts

Posted November 6th, 2019 by: W4BOH

Contact: infomet@embarqmail.com

Can there be anyone who needs a wall wart?

I have many, including 5V at up to 4A. Please let me know if you need any. I need the space.

\$1 each, pick up in Hillsborough, or at JARSFEST.

Wilson

W4BOH

FS; MFJ 1270C packet controller

Posted November 6th, 2019 by: W4BOH

Contact: infomet@embarqmail.com

Looks NIB., 250 page manual, 1993. \$25

Pick up in Hillsborough or Morrisville.

Wilson

W4BOH

Minutes

Raleigh Amateur Radio Society

Board Members Meeting

Date | time 10/15/2019 @ 7:00 pm | Meeting called to order by Carl Davis W8WZ

In Attendance

8 Members

Carl Davis – W8WZ

Alan Pitegoff – AB4OZ

Greg Seamster- KE4PAX

Chuck Littlewood - K4HF

Richard Kroeger - N1FUA

Bob Starkenburg– W4TTX

Tara Goodwin – W4TSW

Marty Young - W4MY

3 Visitors

Tadd Torborg - KA2DEW

Ken Latchum - AD4GX

Mark Kilmer – KM4JRH

John Honeycutt - N8ZU

Approval of Minutes

Quorum present. Minutes approved

President Report-Carl W8WZ

No report

Vice President Report/Exciter Report-Tom N4TL

No report

Treasurer's Report-Greg KE4PAX

The Zoom application will be renewed.

Greg will check into the SERA renewal.

For more detailed information regarding Greg's Treasurers report please contact KE4PAX

Secretary's Report -Tara W4TSW

No Report

Committee Reports

Education Director-Carl Davis W8WZ: Carl announced the class is going well. Out of 20 signed up, 19 showed.

Had a diverse mix of students, including men, women and older participants. The students seem to be excited.

FM Repeater Chair - Chuck DeCourt W3WZN: Alan indicated that Chuck has been doing monthly visits to the repeater sites. Also, we have only 2 UPS's, however, that is all we need. Some new parts have been ordered for the 64 repeater upgrade.

RARSfest Chair-Tara W4TSW: Tara will put together a news flash for last year's event for the web site, at Hank's request.

NCQP Chair - Marty Young W4MY: Marty mentioned some of the new changes to the QSO party.

ARRL Liaison - Chuck K4HF Chuck: Chuck reported that there is no information from the ARRL. We are still waiting to hear if we will get the 2020 Roanoke Convention. Carl Bowman is stepping down. Elections for his replacement will most likely take place in November.

RARS Webmaster - Hank Montgomery- K4HM: Hank will make updates to the web site to bring old information current.

Will also add the new location of the RARS dinner

Field Day Chair - Bob W4TTX: Bob suggested that the Cary club be invited to join in our Field Day, due to their small membership. The board agreed.

Non Reports

Public Service Director - John Stone K3RHJ:

Public Information Officer - Tara Goodwin W4TSW:

Director-at-Large-Alan Pitegoff AB4OZ:

Food Service Chair - Richard N1FUA:

Net Manager -Virginia Enzor NC4VA:

Director-at-Large - Joanne Mars AA3N:

Director-at-Large-Robert Walker K4WWR:

W4DW/W4RNC TRUSTEE - Jeff Wittich, AC4ZO:

ARRL NC Section Manager - Karl Bowman W4CHX:

Youth Director- Murray Merner K4MHM:

Immediate Past President - Dennis Keith NC4DK:

RARS VE Coordinators - Joe (WA4GIR) and Liz (KO4CK) White:

Old Business

50/50 raffle monies to be moved, must be specifically allocated. Chuck suggested it be merged with the repeater fund.

New Business

Suggestion for the New HAM/Elmer meeting be changed to simply New HAM meeting.

Additional Business/Comments/Announcements

None brought forth.

Next Meeting

11/19/2019, 2011 Ridge Road at 7:00pm

Meeting was adjourned at 8:16 pm

Meeting minutes respectively submitted by Mark Kilmer, KM4JRH

All about batteries at CTEK

<https://batteryuniversity.com/learn/>

WITN now broadcasting full power from new antenna

<https://www.witn.com/content/news/-WITN-installs-new-antenna-atop-Grifton-tower-564195861.html?fbclid=IwAR3wXeV6Um5Ygpm734rqZqJ6ohV4g3mNZ67uN2KcgRBEkUKzSBE4Nj0bB9g&jwsourc=fb>

Thanks to Charles, WA4OSS, for this information.



<https://www.rars.org>

Minutes

Raleigh Amateur Radio Society

Members Meeting

Date | time 11/12/2019 @ 7:30 p.m. | *Meeting called to order by* Carl Davis (W8WZ)

Membership Meeting

The monthly membership meeting of the Raleigh Amateur Radio Society met at the Ridge Road Baptist Church in Raleigh. The meeting was called to order, by President Carl Davis (W8WZ), at 7:30 p.m.

The Pledge of Allegiance was recited.

Approval of Minutes

A quorum was present and the October minutes were approved.

Continuing Announcements

The RARS dinner takes place monthly on the first Tuesday of the month at 6:30 p.m. at the IHOP, Celebration at Six Forks, 7471 Six Forks Road, Raleigh.

The next board meeting, which is open to all our members, will be Tuesday November 19th at 7:00 p.m. in the church conference room.

Tonight's after-meeting gathering, for any who are interested, will be at the Rudinos, 3101 Edwards Mill Rd., Raleigh.

A new HAM/Elmer's meeting with new HAMs, and anyone interested, takes place before each membership meeting at 6:00 p.m. and is presented by Tadd (KA2DEW).

Door Prizes

We had three door prize winners tonight.

RARS Members meeting minutes continued

Dennis Mason (WZ0Q), Jean Paul Gagnon (W4MGD) and Billy Janke (KE4VNC)

Vice President Report/Exciter Chair-Tom N4TL

Tom announced the Pot Luck Dinner that will take place at the December meeting, Christmas party.

Treasurer's Report-Greg KE4PAX

In Greg's absence, Carl provided the Treasurer's report. Current paid membership is 370. The club taxes have been mailed.

For those interested in official Treasurer Report can contact Greg (KE4PAX)

Secretary's Report-Tara W4TSW

No Report

Board and Committee Reports

President - (Carl W8WZ)

Carl asked that anyone who partakes of the refreshments, make a donation to support the food service budget.

Education Director - (Carl W8WZ)

Carl announced the statistics for the fall Technician License Class. Out of 19 signed up, 14 completed the class. Results for VE testing were also announced. Of 14 who tested, 12 passed the Technician exam and one passed his General exam as well.

Director at Large - (Alan AB4OZ)

Alan provided tonight's tech tip. He indicated that the tubular fuse holders do not tend to last long and may open. He recommended replacing them with ATC blade type fuse holders; those that use automotive style fuses.

RARS Members meeting minutes continued

Board and Committee with No Report

Public Service – John, K3RHJ
Food Service – Richard, N1FUA
ARRL Liaison – Chuck, K4HF
Youth Director – Murray, K4MHM
Field Day Chair – Bob, W4TTX
Net Manager – Virginia, NC4VA
Past President – Dennis, NC4DK
ARRL Section Manager – Karl, W4CHX
Webmaster – Hank, K4HM
W4DW/W4RNC Trustee – Jeff, AC4ZO
Director at Large – Joanne, AA3N
FM Repeater Chair – Chuck, W3WZN
Public Information Officer – Tara, W4TSW
NCQSO Party Chair – Marty, W4MY
RARSfest Chair-Tara, W4TSW

Old Business

New Business

Dennis Mason (WZ0Q) announced the results of tonight's VE session. Out of 6 testing, 3 passed the Tech and 3, the General exam.

RARS Officer and Board Member elections were discussed. Chuck Littlewood, presented the list of nominees and opened the floor for any other recommendations. None were brought forth. The following candidates were elected for 2020.

RARS Members meeting minutes continued

RARS Officers for a Two Term:

President: John Honeycutt, N8ZU

Secretary: Mark Kilmer, KM4JRH

Board Members for 1 year term:

Public Service: John Stone, K3RHJ

Public Information Officer: Tara Goodwin, W4TSW

RARS Exciter Editor: Tom Lewis, N4TL

RARS Net Manager: Virginia Enzor, NC4VA

Director at Large: Alan Pitegoff, AB4OZ

Director at Large: Tadd Torborg, KA2DEW

Director at Large: Ken Latchum, AD4GX

FM Repeater Chair: Chuck DeCourt, W3WZN

W4DW, W4RNC, N4RAL Trustee: Jeff Wittich, AC4ZO

ARRL Liaison: Chuck Littlewood, K4HF

RARS Education Director: Carl Davis, W8WZ

RARS Webmaster: Hank Montgomery, K4HM

RARS Food Service Chair: Richard Kroeger, N1FUA

RARS NC QSO Party Chair: Marty Young, W4MY

RARS 2020 Field Chair: Bob Starkenburg, W4TTX

**RARS Volunteer Exam Coordinators: Joe and Liz White, KO4CK
and WA4GIR respectively.**

RARSfest Chair-Tara, W4TSW

RARS Members meeting minutes continued

Tonight's Program

A number of members participated in the club's Show and Tell:

Carl Davis, W8WZ, a replica Paraset WW2 Spy Transceiver.

Mark Kilmer, KM4JRH, an analog computer.

Daniel Marks, KW4TI, VNA-0-MIZER, an open source vector network analyzer, 100kHz to 600 MHz

Louis Alexander, K4BYN, a variometer, a big inductor for a 600 Meter antenna

Tom Lewis, N4TL, a 1925 Atwater Kent model 20C tuned radio frequency receiver. He also had a 1944 TS-323/UR Military signal standard for setting the frequency of a receiver or transmitter.

Pictures of the items will be in the December Exciter.

Tonight's New HAM meeting topic was building Power Pole cables and fusing, with a demonstration of the effects of voltage drop over various cable lengths.

Additional Business/Comments/Announcements

Mike Upchurch, who helped found the Smith Chart Club, has become a Silent Key.

Meeting was adjourned at 9:27 p.m.

Next Meeting

12/10/2019, 2011 Ridge Road at 7:30 p.m.

Respectfully submitted by Mark Kilmer(KM4JRH)